

AMENDED CLAIM SET

The claims have been amended as set forth in the following listing of the claims:

1. (currently amended) A gas generator for an air bag, comprising:

a housing having a gas discharge port;

first and second ignition means activated by an impact;

first and second combustion chambers accommodating therein gas generating agents which are ignited and burnt to generate a combustion gas;

a cylindrical partition wall that separates a first combustion chamber and a second combustion chamber from each other, the cylindrical partition wall having a communication hole that allows communication between the first combustion chamber and the second combustion chamber; and

a retainer provided inside the second combustion chamber, the retainer forming a space ~~defined by the retainer and the cylindrical partition wall, gap between the retainer and the communication hole~~—such that the gas generating agents accommodated in the second combustion chamber do not block the communication hole,

wherein, a volume ratio of the first combustion chamber and the second combustion chamber is adjusted by varying an inner diameter of the cylindrical partition wall.

2. (previously presented) A gas generator according to claim 1, wherein

the cylindrical partition wall is an inner cylinder disposed in the housing, a first combustion chamber being annular in shape and is provided outside the inner cylinder, and the

two ignition means are provided at a lower side in the inner cylinder, and a second a second combustion chamber being provided at an upper side in the inner cylinder.

3. (previously presented) A gas generator for an air bag according to claim 2, wherein a diameter of the inner cylinder disposed in the housing varies at a vertical position in an axial direction of the housing.

4. (previously presented) A gas generator for an air bag according to claim 2, wherein a diameter of the inner cylinder disposed in the housing varies at a vertical position in an axial direction of the housing, and the diameter of an upper portion of the inner cylinder is greater than the diameter of a lower portion of the inner cylinder in diameter.

5. (currently amended) A gas generator for an air bag, comprising:
a housing having a gas discharge port;
first and second ignition means activated by an impact;
first and second combustion chambers accommodating therein gas generating agents which are ignited and burnt to generate a combustion gas;
separating means that separates a first combustion chamber and a second combustion chamber from each other, the separating means having a communication hole; and
a retainer provided inside the second combustion chamber, the retainer forming a space
defined by the retainer and the cylindrical partition wall, gap between the retainer and the

communication hole such that the gas generating agents accommodated in the second combustion chamber do not block the communication hole,

wherein, a second combustion chamber is surrounded by a first combustion chamber, and flammability of the gas generating agents in the second combustion chamber is adjusted by varying the diameter of the communication hole.

6. (canceled)

7. (previously presented) A gas generator for an air bag according to claim 5, wherein the retainer is a wire mesh.

8. (previously presented) A gas generator for an air bag according to claim 5, wherein the housing is provided with two or more gas discharge ports, the gas discharge ports are closed with shielding members before the gas generator is activated, and the shielding members are ruptured in two or more stages after the gas generator is activated.

9. (currently amended) A gas generator for an air bag, comprising:
a housing having a gas discharge port;
first and second ignition means activated by an impact;
first and second combustion chambers accommodating therein gas generating agents which are ignited and burnt to generate a combustion gas; and
a partition wall that separates a first combustion chamber and a second combustion chamber from each other, the first combustion chamber and the second combustion chamber

being brought into communication with each other only through a communication hole formed in the partition wall; and

a retainer provided inside the second combustion chamber, the retainer forming a space defined by the retainer and the cylindrical partition wall, gap between the retainer and the communication hole such that the gas generating agents accommodated in the second combustion chamber do not block the communication hole,

wherein, a combustion gas generated in the second combustion chamber flows into the first combustion chamber through the communication hole, and then, is discharged from the gas discharge port, and

a volume ratio of the first combustion chamber and the second combustion chamber is adjusted by varying the diameter of the partition wall, and a combustion state of a gas generating agent in the second combustion chamber is controlled by varying the diameter of the communication hole.

10. (original) A gas generator for an air bag according to claim 1 or 5, wherein a combustion temperature of the gas generating agent is 1000 to 1700°C.

11. (currently amended) A gas generator for an air bag according to claim 1, wherein the volume ratio of the first combustion chamber and the second combustion chamber is adjusted by varying the thickness or diameter of the partition wall in the range of 1:1 to 9:1.

12. (currently amended) A gas generator for an air bag according to claim 9, wherein the volume ratio of the first combustion chamber and the second combustion chamber is adjusted by varying the thickness or diameter of the partition wall in the range of 1:1 and 9:1.

13. (currently amended) A gas generator for an air bag according to claim 1 or 9, wherein the volume ratio of the first combustion chamber and the second combustion chamber is adjusted by varying the thickness or diameter of the partition wall in the range of 3:2 to 8:2.